



Form PTO-1449	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use Several Sheets if Necessary)	ATTY. DOCK NO.	SERIAL NO.
		JG00048	29/80189/
		FILING DATE	GROUP
		3/8/01	TBA- 2637

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE
OK	A	4 5 2 3 2 1 1	6/11/85	Morimoto et al.	357	4	3/8/83
	B	5 4 7 8 6 5 3	12/26/96	Guenzer	428	446	4/4/94
	AA	3 8 0 2 9 6 7	4/9/74	Landany et al.	148	171	8/27/91
	AB	4 4 0 4 2 6 5	9/13/83	Manasevit	428	689	4/7/78
	AC	4 4 8 2 9 0 6	11/13/84	Hovel et al.	357	16	6/30/82
	AD	4 8 4 6 9 2 6	7/11/89	Kay et al.	156	612	9/3/87
	AE	4 8 8 2 3 0 0	11/21/89	Inoue et al.	437	236	10/6/88
	AF	4 8 9 1 0 9 1	1/2/90	Shastry	156	606	6/8/87
	AG	4 9 2 8 1 5 4	5/22/90	Umeno et al.	357	16	3/20/89
	AH	4 9 6 3 9 4 9	10/16/90	Wanlass et al.	357	16	9/30/88
	AI	4 9 9 9 8 4 2	3/12/91	Huang et al.	372	45	3/1/89
	AJ	5 1 4 1 8 9 4	8/25/92	Bisaro et al.	437	132	7/20/90
	AK	5 1 5 5 6 5 8	10/13/92	Inam et al.	361	321	3/5/92
	AL	5 1 5 9 4 1 3	10/27/92	Calviello et al.	505	1	12/11/90
	AM	5 2 2 1 3 6 7	6/22/93	Chisholm et al.	148	33	8/3/88
	AN	5 2 2 5 0 3 1	7/6/93	McKee et al.	156	612	4/10/91
	AO	5 2 4 8 5 6 4	9/28/93	Ramesh	428	688	12/9/92
	AP	5 2 7 0 2 9 8	12/14/93	Ramesh	505	1	8/4/92
	AQ	5 3 1 0 7 0 7	5/10/94	Oishi et al.	501	126	9/28/92
	AR	5 3 2 6 7 2 1	7/5/94	Summerfelt	437	131	5/1/92
	AS	5 4 1 8 3 8 9	5/23/95	Watanabe	257	295	11/9/93
	AT	5 5 5 6 4 6 3	9/17/96	Guenzer	117	90	6/5/95
	AU	5 6 7 0 7 9 8	9/23/97	Schetzina	257	96	3/29/95
	AV	5 6 7 4 3 6 6	10/7/97	Hayashi et al.	204	298.09	6/7/95
	AW	5 7 3 1 2 2 0	3/24/98	Tsu et al.	437	60	6/7/95
	AX	5 7 3 5 9 4 9	4/7/98	Mantl et al.	117	8	4/7/98
	AY	5 7 4 1 7 2 4	4/21/98	Ramdani et al.	437	128	12/27/96
	AZ	5 8 0 1 1 0 5	9/1/98	Yano et al.	438	785	6/14/96
	BA	5 8 1 0 9 2 3	9/22/98	Yano et al.	117	84	5/10/96
	BB	5 8 2 8 0 8 0	10/27/98	Yano et al.	257	43	8/17/95
	BC	5 8 7 4 8 6 0	2/23/99	Brunel et al.	330	285	12/4/96
	BD	6 0 0 2 3 7 5	12/14/99	Corman et al.	343	853	9/2/97
	BE	6 0 4 5 6 2 6	4/4/00	Yano et al.	148	33.4	6/23/98
	BF	6 0 5 5 1 7 9	4/25/00	Koganei et al.	365	158	5/17/99
	BG	6 0 6 4 0 7 8	5/16/00	Northrup et al.	257	96	5/22/98
	BH	6 1 0 3 0 0 8	8/15/00	McKee et al.	117	2	7/30/98
	BI	6 1 0 7 6 5 3	8/22/00	Fitzgerald	257	191	6/23/98
	BJ	6 1 1 3 6 9 0	9/5/00	Yu et al.	117	84	6/8/98
	BK	6 1 4 3 0 7 2	11/7/00	McKee et al.	117	08	4/6/99

EXAMINER

DATE CONSIDERED

*Mr. Cornelius*

3-3-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Best Available Copy

Form PTO-1449	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use Several Sheets if Necessary)	ATTY. DOCKET NO.	SERIAL NO.
		JG00048	<del>TBA</del> 09/801,891
		3/8/01	<del>TBA</del>
		FILING DATE	GROUP 2631

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	GRANT DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
21	BL 025 0171	11/11/92	EPC			X
	BM 034 2937	11/23/89	EPC			X
	BN 045 5526	6/11/91	EPC			X
	BO 060 2568	6/22/94	EPC			X
	BP 060 7435	7/27/94	EPC			X
	BQ 100 1468	5/17/00	EPC			X
	BR 051 4018	11/19/92	EPC			X
	BT 099 9600	5/10/00	EPC			X
	BU 131 9311	6/6/73	Great Britain			X
	BV 629 1299	10/18/94	Japan			X
	BW 112 3868	8/31/99	Japan			X
	BX 112 6083	9/24/99	Japan			X
	BY 200 0039	1/5/90	Japan			X
	BZ 504 8072	2/26/93	Japan			X
	CA 520 8835	7/23/77	Japan			X
	CB 541 3455	10/19/79	Japan			X
	CC 550 8742	7/2/80	Japan			X
	CD 611 0818	5/26/86	Japan			X
	CE 623 2126	8/19/94	Japan			X
	CF 629 1299	10/18/94	Japan			X
	CG 630 3499	2/15/88	Japan			X
	CI 631 3110	6/3/88	Japan			X
	CH 631 9836	8/17/88	Japan			X
	CJ 632 7862	1/5/90	Japan			X
	CK 633 4168	6/14/93	Japan			X
	CK 991 4804	3/25/99	PCT			X
	CL 996 3580	12/9/99	PCT			X

EXAMINER

*John Cornells*

DATE CONSIDERED

3-3-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Best Available Copy

Form PTO-1449	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use Several Sheets if Necessary)	ATTY. DOCKET NO.	SERIAL NO.
		JG00048	09/30/89/ TBA
		FILING DATE	GROUP
		3/8/01	TBA 2637

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>M</i>	DB	"Oriented Growth of SrTiO <sub>3</sub> Films on Si(100) Substrates Using in situ Cleaning by Excited Hydrogen," H. Ishiwara et al., Mat. Res. Soc. Symp., vol. 116, 1988., pp. 369-374
	DC	"A Preliminary Consideration of the Growth Behavior of CeO <sub>2</sub> , SrTiO <sub>3</sub> and SrVO <sub>3</sub> Films on Si Substrate," Nagata et al., Thin Solid Films, 224, 1993, pp. 1-3.
	DD	"Heteroepitaxial Growth of CeO <sub>2</sub> (001) Films on Si(001) Substrates by Pulsed Laser Deposition in Ultrahigh Vacuum," Nagata et al., Jpn. J. Appl. Phys., vol. 30, no. 6b, 1991, pp. 1136-1138.
	DE	"Heteroepitaxial Growth of SrO Films on Si Substrates," Kado et al., J. Appl. Phys., 61(6), 1987, pp. 2398-2400.
	DF	"Epitaxial Growth of Perovskite Type Oxide Films on Si Substrates," H. Ishiwara et al., Mat. Res. Soc. Symp., vol. 220, 1991, pp. 595-600.
<i>✓</i>	DG	"Effects of Buffer Layers in Epitaxial Growth of SrTiO <sub>3</sub> Thin Film on Si(100)," Nakagawara et al., J. Appl. Phys. 78(12), 1995, pp. 7226-7230.
<i>M</i>	DH	"A Proposal of Epitaxial Oxide Thin Film Structures for Future Oxide Electronics," Suzuki et al., Materials Science and Engineering B41 (1996), pp. 166-173.

EXAMINER

DATE CONSIDERED

*My Lencel*

3-3-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Best Available Copy

Form PTO-1449	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use Several Sheets if Necessary)	ATTY. DOCKET NO.	SERIAL NO.
		JG00048	TBA
		FILING DATE	GROUP
		3/8/01	<del>TBA</del> 2637

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

M	DX	"Impact of GaAs Buffer Thickness on electronic Quality of GaAs Grown on Graded Ge/GeSi/Si Substrates," Carlin et al., Appl. Phys. Letter, vol. 76, no. 14, April 2000, pp. 1884-1886.
	DY	"Epitaxial Integration of III-V Materials and Devices with Si Using Graded GeSi Buffers," Ringel et al., 27 <sup>th</sup> International Symposium on Compound Semiconductors, Oct. 2000.
	DZ	"Progress in Compound-Semiconductor-on-Silicon-Heteroepitaxy with Fluoride Buffer Layers," Zogg et al., J. Electrochem Soc., vol. 136, no. 3, March 1989, pp. 775-779.
	EA	"Oxide Defined GaAs Vertical-Cavity Surface-Emitting Lasers on Si Substrates," Xiong et al., IEEE Photonics Tech Letters, vol. 12, no. 2, Feb 2000, pp. 110-112.
	EB	"Investigation of PZT/LSCO/Pv/Aerogel Thin Film Composites for Uncooled Pyroelectric IR Detectors," Clem et al., Mat. Res. Soc. Symp. Vol. 541, pg. 661-666.
	EC	"Bound-To-Quasi-Bound Quantum-Well Infrared Photodetectors," Gunapala et al., NASA Tech Brief, vol. 22, no. 9.
	ED	"Monolithic InGaAs-on-silicon Short Wave Infrared Detector Arrays," Joshi et al., Int'l. Society for Optical Engineering, vol. 2999, pp. 211-224.
	EE	"Nanostructure and Chemistry of a (100)Mg/(100)GaAs Interface," Bruley et al., Appl. Phys Lett. 65(5), Aug. 1994, pp.564-566.
	EF	"Epitaxial MgO on Si(001) for Y-Ba-Cu-O Thin Film Growth by Pulsed Laser Deposition," Fork et al., Appl. Phys Lett 58(20), May 1991, pp. 2294-2296.
	EG	"Dielectrics on Semiconductors," Himpel et al., Materials Science and Engineering, B1(1988), pp. 9-13.
	EH	"Epitaxial La 0.67 Sr 0.33 MnO <sub>3</sub> Magnetic Tunnel Junctions," J. Appl. Phys. 81(8), Apr. 1997 pp. 5509-5511
M	EI	"Colossal Magnetoresistance Magnetic Tunnel Junctions Grown by Molecular-Beam Epitaxy," O'Donnell et al., Appl. Physics Letters, vol. 76, no. 14, Apr. 2000, pp. 1914-1916.

EXAMINER

*W. Corrie*

DATE CONSIDERED

3-3-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use Several Sheets if Necessary)	ATTY. DOCKET NO.	SERIAL NO.
		JG00048	<del>TBA</del> 09/30/89
		FILING DATE	GROUP
		3/8/01	<del>TBA</del> 2657

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>M</i>	CN	"Integration of GaAs on Si using a spinel buffer layer, IBM Technical Bulletin," vol. 30, no. 6, Nov. 1987, p. 365
	CM	"GaInAs Superconducting FET," IBM Technical Bulletin, vol. 36, no. 8, Aug. 1993, p. 655.
	CO	"Epitaxial 3d Structure Using Mixed Spinel," IBM Technical Bulletin, vol. 30, no. 3, Aug. 1987, p. 1271.
	CP	"Roles of Buffer Layers in Epitaxial Growth of SrTiO <sub>3</sub> Films on Silicon Substrates," Moon et al., Japan J of Appl Phys., vol. 33, 1994, pp 1472-1477.
	CQ	"GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in Situ Annealed at High Temperatures," Yodo et al., 8257b Journal of Vacuum Science & Technology, 1995, no. 3, pp. 1000-1005.
	CR	"Substrate Effect on the Superconductivity of Yb <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Thin Films," Cuomo et al., AIP conference 1988, pp. 141-148.
	CS	"Crystalline Oxides on Silicon: The First Five Monolayers," McKee et al., Physical Review Letters, vol. 81, no. 14, Oct. 1998, pp. 3014-3017.
	CT	"Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," McKee et al., 1991 American Institute of Physics, pp. 782-284.
	CU	"Molecular Beam Epitaxy Growth of SrTiO <sub>3</sub> Films on Si(100)-2 x 1 with SrO Buffer Layer," Tambo et al., Jpn. J. Appl. Phys., vol 37, 1998 pp. 4454-4459.
	CV	"The MBE Growth and Optical Quality of BaTiO <sub>3</sub> and SrTiO <sub>3</sub> Thin Films on MgO," McKee et al., Mat. Res. Soc. Symp. Proc. Vol. 341, 1994, pp. 309-314.
	CW	"BaSi <sub>2</sub> and Thin Film Alkaline Earth Silicides on Silicon," McKee et al., Appl. Phys. Lett. 63 (20), Nov. 1993, pp. 2818-2820.
	CX	"Surface Structures and the Orthorhombic Transformation of Thin Film BaSi <sub>2</sub> on Silicon," McKee et al., Mat. Res. Soc. Symp. Proc. Vol. 221, pp. 131-136.
	CY	"Epitaxial Growth of SrTiO <sub>3</sub> Films on Si(100) Substrates Using a Focused Electron Beam Evaporation Method," Mori et al. Jpn. J. of Appl. Phys., vol. 30, no. 8a, Aug. 1991, pp. 1415-1417.
	CZ	"Growth of Crystalline SrTiO <sub>3</sub> Films on Si Substrates Using Thin Fluoride Buffer Layers and Their Electrical Properties," Moon et al., Jpn. J. of Apl. Phys., vol. 33, (1994), pp. 5911-5916.
<i>M</i>	DA	"The Epitactic Growth of Oxides on Si," S. Summerfelt, Materials Research Society Symposium Proceedings, vol. 221, 1991, pp. 29-34

EXAMINER

*Mr. Corrick*

DATE CONSIDERED

3-3-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Best Available Copy